

FILE 'HCAPLUS' ENTERED AT 16:10:28 ON 13 NOV 1998
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FILE COVERS 1967 - 13 Nov 1998 VOL 129 ISS 20
FILE LAST UPDATED: 13 Nov 1998 (981113/ED)

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

 \Rightarrow

The diagram shows a branched polymer structure. The main chain is labeled L1 and consists of a sequence of atoms: C1-C2-G1-C3-C4-N-C5-C6. The C1-C2 bond is a wavy line, C2-G1 is a single line, G1-C3 is a wavy line, C3-C4 is a single line, C4-N is a wavy line, N-C5 is a single line, and C5-C6 is a wavy line. A side chain labeled STR is attached to C5 via a wavy line. This side chain consists of a C9 atom bonded to a C10 atom (via a single line) and an O11 atom (via a wavy line). The C10 atom is further bonded to an O12 atom (via a single line). There are also wavy lines connecting C9 to C5 and C10 to C9. Additionally, there is a wavy line connecting C3 to an O8 atom, which is further connected to a C8 atom (via a single line). The C8 atom is connected to the main chain at C3 via a wavy line.

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STEREO ATTRIBUTES: NONE
L2          8 SEA FILE=REGISTRY SSS FUL L1
L4          SEL PLU=ON  L2 1- CHEM :          8 TERMS
L5          4 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L4
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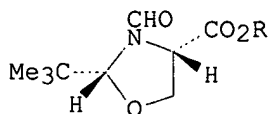
 \Rightarrow

L5 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 1998 ACS

AN 1995:812846 HCAPLUS
DN 123:227901
TI Process for the preparation of ceramides
SO Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW
IN Davey, Paul Nicholas; Hardinge, Brian John; Newman, Christopher
Paul; Richardson, Clive Derek
PI EP 646572 A1 19950405
AI EP 94-202718 19940922
PY 1995
AB Ceramides were prep'd. by a two-step process involving conversion of a 2-hydroximino-3-oxoalkanoate into a 2-alkanoylamido-3-oxoalkanoate intermediate by acylation of the oxime and redn. of the oxime ester group to an amido group, followed by redn. of the keto and ester group of the intermediate to the 2,3-diol of the ceramide. The oxime acylation and the first redn. may be carried out consecutively or simultaneously. The first redn. is preferably a catalytic hydrogenation and the second redn. is preferably a borohydride redn. Thus, Me(CH₂)₁₂COCH₂CO₂Me was converted to the 2-oximino deriv. with NaNO₂, the oxime was O-acetylated and catalytically reduced in presence of palmitic anhydride to Me(CH₂)₁₂COC[NHCO(CH₂)₁₄Me]CO₂Me. This ester was then reduced with NaBH₄ to give Me(CH₂)₁₂CH(OH)C[NHCO(CH₂)₁₄Me]CH₂OH as an erythro-threo mixt. The products are useful in cosmetic compns. (no data).
IT **168167-97-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of ceramides)

L5 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 1998 ACS
AN 1994:680580 HCAPLUS
DN 121:280580
TI Acylation of diethyl acetamidomalonate. Synthesis and reactivity of 4-ethoxycarbonyloxazole
SO Bull. Soc. Chim. Fr. (1994), 131(6), 642-7
CODEN: BSCFAS; ISSN: 0037-8968
AU Loupy, Andre; Petit, Alain; Zaparucha, Anne; Mahieu, Claude; Semeria, Didier
PY 1994
AB The acylation of di-Et acetamidomalonate by palmitoyl chloride was performed using KO₂Me₃ in THF. Subsequent reaction of the acylmalonate in DMSO or NMP (1-methyl-2-pyrrolidinone) led to Et 2-methyl-5-pentadecyl-4-oxazolecarboxylate (76% yield for the two steps). Ring opening and other reactions of the oxazole were carried out.
IT **158985-62-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. by acylation of acetamidomalonate)

L5 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 1998 ACS
AN 1991:24532 HCAPLUS
DN 114:24532
TI Synthesis of 2-carboxy-substituted sphingosine derivatives
SO J. Carbohydr. Chem. (1990), 9(5), 543-59
CODEN: JCACDM; ISSN: 0732-8303
AU Singh, Narrinder P.; Giannis, Athanassios; Henk, Elfi; Kolter, Thomas; Sandhoff, Konrad; Schmidt, Richard R.
PY 1990
GI



AB Enantioselective acylation and .alpha.-hydroxyalkylation of serine was performed via its optically pure 2-tert-butyloxazolidine derivs., e.g. I (R = Me, CH₂Ph), known to undergo partial chirality transfer from serine to the 2-position of I and then to the 4-position. Thus, after acid hydrolysis, compds. (R)- and (S)-HOCH₂C(CO₂R)(NH₂)COR1 [II; R = Me, R1 = Me(CH₂)₈, Me(CH₂)₁₄], (R)-II [R = CH₂Ph, R1 = Me(CH₂)₈; R = Me, R1 = (E)-CH:CH(CH₂)₁₂Me], and (2R,3S)-HOCH₂C(CO₂H)(NH₂)CH(OH)(CH₂)₁₀Me are provided highly stereoselectively.

IT **131148-83-9P 131166-64-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

L5 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 1998 ACS

AN 1989:532596 HCAPLUS

DN 111:132596

TI Method of acylaminomalonic acid monoalkylesters preparation

SO Czech., 5 pp.

CODEN: CZXXA9

IN Marek, Miroslav; Gajewski, Karel; Jary, Jiri

PI CS 251361 B1 19880315

AI CS 85-2418 19850402

PY 1988

AB Monoalkyl esters of acylaminomalonic acid are prepd. from dialkylesters RCONHCH(COOR1)(COOR2) (R1, R2 = C1-3 alkyl; R = H, C1-11 alkyl, Ph, 2-chlorophenyl, 4-chlorophenyl, B2) by esterase or proteinase catalysis, in which pH is maintained at 7.5-8.3 by addn. of an alkali metal bicarbonate or NH₄CO₃, and the monoalkylester is isolated by cooling to 0-5.degree. and acidification of pH 1.5-3 with a mineral acid. Thus, 1 part acetamidomalonic acid diethylester (I) was mixed with 4 parts H₂O contg. .alpha.-chymotrypsin 0.01 and CaCl 0.01 wt. % at 20.degree.. The reaction was controlled by soly. of I and CO₂ evolution. After completion of hydrolysis, the mixt. was cooled to 0.50 and pH was adjusted to 1.5 with HCl. The ppt. was washed and dried at 20.degree., yielding acetamidomalonic acid monoethylester, m.p. 131-132.degree.. Yield was 94%.

IT **93478-90-1**

RL: RCT (Reactant)
(hydrolysis of, by .alpha.-chymotrypsin)

IT **89713-91-7P**

RL: PREP (Preparation)
(prepn. of, .alpha.-chymotrypsin in)

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=> fil caold

FILE 'CAOLD' ENTERED AT 16:10:47 ON 13 NOV 1998

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FILE COVERS 1957-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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=> s 12

L6 6 L2

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=>

=> d all 16 1-6

L6 ANSWER 1 OF 6 COPYRIGHT 1998 ACS
AN CA57:3453e CAOLD
DT Patent
IT 89169-70-0 **89713-91-7** 95516-23-7 95516-24-8 96951-44-9
97045-23-3

L6 ANSWER 2 OF 6 COPYRIGHT 1998 ACS
AN CA57:3453d CAOLD
DT Patent
IT 53872-43-8 91396-08-6 91396-09-7 91958-60-0 **93478-90-1**
97439-75-3

L6 ANSWER 3 OF 6 COPYRIGHT 1998 ACS
AN CA55:15470h CAOLD
IT 89169-70-0 **89713-91-7** 96951-44-9 97045-23-3

L6 ANSWER 4 OF 6 COPYRIGHT 1998 ACS
AN CA55:15470g CAOLD
IT 53872-43-8 91396-08-6 91396-09-7 91958-60-0 **93478-90-1**
95516-23-7 95516-24-8 97439-75-3

L6 ANSWER 5 OF 6 COPYRIGHT 1998 ACS
AN CA55:5532a CAOLD
DT Patent
IT 99063-39-5 100950-74-1 **101572-85-4** 102544-02-5 108950-16-9
109499-56-1 111385-81-0 111638-44-9 115272-34-9 131240-50-1

L6 ANSWER 6 OF 6 COPYRIGHT 1998 ACS
AN CA53:21889g CAOLD
IT 99063-39-5 100950-74-1 **101572-85-4** 102544-02-5 108488-83-1
108950-16-9 109499-56-1 110056-29-6 110439-43-5 111385-81-0
111638-44-9 112744-54-4 113569-22-5 115272-34-9 131240-50-1

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=> fil reg

FILE 'REGISTRY' ENTERED AT 16:11:00 ON 13 NOV 1998
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STRUCTURE FILE UPDATES: 06 NOV 98 HIGHEST RN 213879-71-1
DICTIONARY FILE UPDATES: 12 NOV 98 HIGHEST RN 213879-71-1

TSCA INFORMATION NOW CURRENT THROUGH JUNE 29, 1998

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

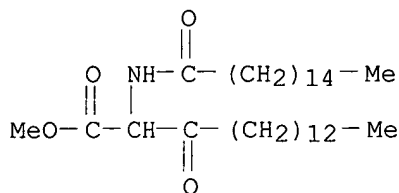
Stereochemical name changes have been adopted and appear in CN's
beginning 6/29/98. See the online news message for details.

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=> d ide can 12 1-8

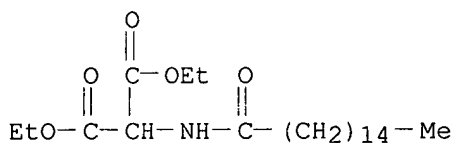
L2 ANSWER 1 OF 8 REGISTRY COPYRIGHT 1998 ACS
 RN 168167-97-3 REGISTRY
 CN Hexadecanoic acid, 3-oxo-2-[(1-oxohexadecyl)amino]-, methyl ester
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C33 H63 N O4
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:227901

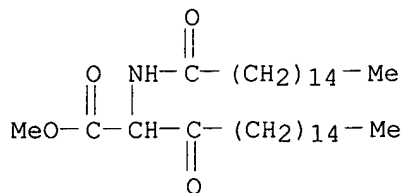
L2 ANSWER 2 OF 8 REGISTRY COPYRIGHT 1998 ACS
 RN 158985-62-7 REGISTRY
 CN Propanedioic acid, [(1-oxohexadecyl)amino]-, diethyl ester (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C23 H43 N O5
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 121:280580

L2 ANSWER 3 OF 8 REGISTRY COPYRIGHT 1998 ACS
 RN 131166-64-8 REGISTRY
 CN Octadecanoic acid, 3-oxo-2-[(1-oxohexadecyl)amino]-, methyl ester
 (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Octadecanoic acid, 3-oxo-2-[(1-oxohexadecyl)amino]-, methyl ester,
 (.-.-.)-
 FS 3D CONCORD
 MF C35 H67 N O4
 SR CA
 LC STN Files: CA, CAPLUS

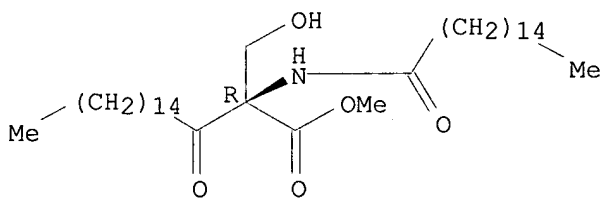


1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 114:24532

L2 ANSWER 4 OF 8 REGISTRY COPYRIGHT 1998 ACS
 RN 131148-83-9 REGISTRY
 CN Octadecanoic acid, 2-(hydroxymethyl)-3-oxo-2-[(1-oxohexadecyl)amino]-, methyl ester, (R)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C36 H69 N O5
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

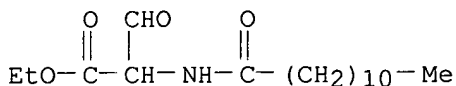
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

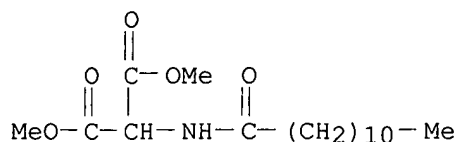
REFERENCE 1: 114:24532

L2 ANSWER 5 OF 8 REGISTRY COPYRIGHT 1998 ACS
 RN 101572-85-4 REGISTRY
 CN Malonaldehydic acid, lauramido-, ethyl ester (6CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H31 N O4
 SR CAOLD
 LC STN Files: CAOLD



2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

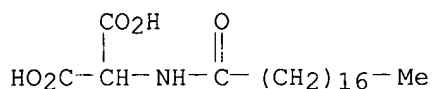
L2 ANSWER 6 OF 8 REGISTRY COPYRIGHT 1998 ACS
 RN 93478-90-1 REGISTRY
 CN Propanedioic acid, [(1-oxododecyl)amino]-, dimethyl ester (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Malonic acid, lauramido-, dimethyl ester, (6CI, 7CI)
 FS 3D CONCORD
 MF C17 H31 N O5
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

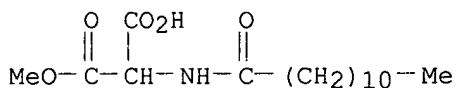
REFERENCE 1: 111:132596

L2 ANSWER 7 OF 8 REGISTRY COPYRIGHT 1998 ACS
 RN 90050-84-3 REGISTRY
 CN Propanedioic acid, [(1-oxooctadecyl)amino]-, monosodium salt (9CI)
 (CA INDEX NAME)
 MF C21 H39 N O5 . Na



Na

L2 ANSWER 8 OF 8 REGISTRY COPYRIGHT 1998 ACS
 RN 89713-91-7 REGISTRY
 CN Propanedioic acid, [(1-oxododecyl)amino]-, monomethyl ester (9CI)
 (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Malonic acid, lauramido-, methyl ester (6CI, 7CI)
 FS 3D CONCORD
 MF C16 H29 N O5
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 111:132596

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(FILE 'HOME' ENTERED AT 16:08:39 ON 13 NOV 1998)

FILE 'REGISTRY' ENTERED AT 16:09:10 ON 13 NOV 1998
ACT MCKEL922BAT/A

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L1      STR
L2      8 SEA FILE=REGISTRY SSS FUL L1

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L3      FILE 'HCAPLUS' ENTERED AT 16:09:22 ON 13 NOV 1998
        4 S L2

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L4      FILE 'REGISTRY' ENTERED AT 16:09:30 ON 13 NOV 1998
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        SEL L2 1- CHEM :      8 TERMS
        SET SMARTSELECT OFF

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L5      FILE 'HCAPLUS' ENTERED AT 16:09:33 ON 13 NOV 1998
        4 S L4

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FILE 'HCAPLUS' ENTERED AT 16:10:28 ON 13 NOV 1998

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L6      FILE 'CAOLD' ENTERED AT 16:10:47 ON 13 NOV 1998
        6 S L2

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FILE 'REGISTRY' ENTERED AT 16:11:00 ON 13 NOV 1998

=> d cost

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
CONNECT CHARGES	0.32	7.87
DISPLAY CHARGES	11.14	29.58
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	11.46	37.45
CAPLUS FEE (5%)	0.00	0.70
	-----	-----
FULL ESTIMATED COST	11.46	38.15
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.06

IN FILE 'REGISTRY' AT 16:11:30 ON 13 NOV 1998

APS + Dialog Search Keywords 08/922,200
attachment to
paper no. 9

Set	Items	Description
S1	0	LIPOPHILIC (W) SUBSTITUENT
S2	62	LIPOPHILIC (W) SUBSTITUENT
S3	39	RD (unique items)
S4	2	MYRISTOYL (2N) GLUTAMYL
S5	242	GLP(W)2 OR GLP2
S6	112	RD (unique

(FILE 'USPAT' ENTERED AT 08:10:15 ON 23 DEC 1998)

L1 49 S LIPOPHILIC SUBSTITUENT
L2 3 S MYRISTOYL (2A) GLUTAMYL
L3 15 S GLP(W)2 OR (GLUCAGON LIKE PEPTIDE 2)